

Application No.: 10/681,471

Docket No.: JCLA11529

REMARKS**Present Status of the Application**

The Office Action rejected claim 1-19. Specifically, the Office Action rejected claims 1-3, 5, 7, 8, 10, 12-16 and 18 under 35 U.S.C. 102(b) as being anticipated by Nagata et al. (U.S. Patent 5,838,549; hereinafter Nagata). In addition, the Office Action rejected claims 4, 6, 9, 11, 17, and 19 under 35 U.S.C. 103(a) as being unpatentable over Nagata. Applicant has amended claims to correct typographic errors. Applicant has also added claims 20-22. After entry of amendments claims 1-22 remain pending in the present application, and reconsideration of those claims is respectfully requested.

About Amendments

Applicant has amended "polygon" into --multi-edge--, as for example shown in FIGs. 2A-2D and 3.

Discussion of Office Action Rejections

The Office Action rejected claims 1-3, 5, 7, 8, 10, 12-16 and 18 under 35 U.S.C. 102(b) as being anticipated by Nagata. In addition, the Office Action rejected claims 4, 6, 9, 11, 17, and 19 under 35 U.S.C. 103(a) as being unpatentable over Nagata. Applicant respectfully traverses the rejections for at least the reasons set forth below.

With respect to independent claim 1 and claim 12, as for example shown in FIGs. 2A-2D, the ground cells 210 are in multi-edge and are periodically, compactly, and complementarily arranged. The slot 220 exits between adjacent ground cells.

Application No.: 10/681,471

Docket No.: JCLA11529

With respect to independent claim 7, as for example shown in FIG. 3, the slots 310 are in multi-edge and are periodically, compactly, and complementarily distributed in the ground surface.

In re Nagata (see Fig. 6), the ground surface 23 has only a portion as a mesh area 45, which should be located at a position facing the wire area 44 (col. 11, lines 14-19).

According to the disclosure of Nagata, first, the mesh area 45 is only a portion of the ground surface and located at a position facing the wire area 44. This present invention is not in this design.

Second, the mesh structure as shown in Fig. 6 is composed by the rectangular holes 46. The rectangular holes 46 are not the ground cells recited in claimed invention. Also and, *the rectangular holes 46 are not the slot in multi-edge shape*. The slot 310, as can be understood, is composed of the strip-like shape but not a rectangular hole when comparing Fig. 6 of Nagata with FIG. 3 of the invention.

Moreover, Nagata only discloses the hole 46 (col. 12, 14) without specific disclosure about how to design the hole in size and position with specific geometry to achieve the features recited in claimed invention.

Therefore, independent claims 1, 7 and 12 are distinguishable over Nagata.

Further with respect to dependent claims 4, 9, and 17, for example in FIG. 2D, the ground cells can be composed of two different shapes. Nagata at least fails to disclose this feature.

Application No.: 10/681,471

Docket No.: JCLA11529

The particularly design in different shape can allow the ground cells to be formed in more compact. This design of ground cell or slot is not just the design change. It is respectfully believed that the Office Action has based on the hindsight to improperly construe the Nagata.

In addition, Nagata (col. 2, lines 33-36) states the design objects, which are in different consideration from the present invention about improving the ground shielding effect. The design of shape to Nagata is not obvious.

For at least the foregoing reasons, Applicant respectfully submits that independent claims 1, 7 and 12 patently define over the prior art, and should be allowed. For at least the same reasons, dependent claims 2-6, 8-11 and 13-22 patently define over the prior art as well, wherein dependent claims 4, 9, 17, and 20-22 further distinguish over prior art.

Application No.: 10/681,471

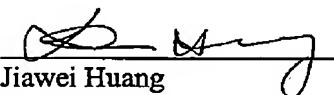
Docket No.: JCLA11529

CONCLUSION

For at least the foregoing reasons, it is believed that all the pending claims 1-22 of the invention patentably define over the prior art and are in proper condition for allowance. If the Examiner believes that a telephone conference would expedite the examination of the above-identified patent application, the Examiner is invited to call the undersigned.

Respectfully submitted,
J.C. PATENTS

Date: 8/17/2004


Jiawei Huang
Registration No. 43,330

4 Venture, Suite 250
Irvine, CA 92618
Tel.: (949) 660-0761
Fax: (949) 660-0809